

METHOD FOR ROUTING CONNECTIONS IN THE DISPLAY OF A NETWORK TOPOLOGY

ABSTRACT OF THE DISCLOSURE

5 The present invention provides a systematic automated procedure for routing connections in display applications such as a network topology interface. In one embodiment, the invention first creates an "ideal routing" between two given nodes. The ideal routing includes three segments that join the nodes. If any obstructions exist on the original segments of the ideal routing then the procedure systematically reroutes the
10 appropriate segments to achieve an efficient, visually cohesive and organized routing. The routing procedure operates at different layers, groups and subgroups of nodes. By using the procedure with a layered design it is possible to achieve fast, uniform and effective routing in very complex systems with many nodes and inter-node connections.

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09918694-073001